

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> DANE COUNTY RGNL-TRUAX FIELD	<u>AIRPORT ID</u> KMSN	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18 ILS RWY 18 (SA CAT I), ILS RWY 18 (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> MADISON	<u>STATE</u> WI	
<u>AIRPORT ELEVATION</u> 887	<u>TDZE</u> 864	<u>SUPERSEDED</u> ILS OR LOC/DME RWY 18 ILS RWY 18 (SA CAT I), ILS RWY 18 (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 02/04/2016	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-DSZ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
MSN VORTAC		RUKIY INT/I-DSZ 6.56 DME/RADAR					358.20	5.16	3000
DLL VORTAC	IAF	DECAL INT/15.65 DME	NOPT				114.94	21.46 (MSN LR-351)	3000
DECAL INT/15.65 DME	IF	GATNE INT/9.79 DME					184.94	5.87 (I-DSZ)	2700
GATNE INT/9.79 DME		RUKIY INT/6.56 DME/RADAR					184.94	3.23 (I-DSZ)	2500

MISSED APPROACH

MAP:

ILS: DA
LOC: I-DSZ 1.59 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 ON MSN VORTAC R-180 TO MONAH INT/MSN VORTAC 4.93 DME/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3500 ON HEADING 070 AND ON BAE VORTAC R-270 TO DREAR/BAE 33.66 DME AND HOLD.

PROFILE:

- PT L SIDE OF COURSE 004.94 OUTBOUND 2800 FT WITHIN 10 MILES OF RUKIY INT/I-DSZ 6.56 DME/RADAR (IAF)
-
- FAC: 184.94 FAF: RUKIY INT/6.56 DME/RADAR DIST FAF TO MAP: DIST FAF TO THLD: 4.97
- MIN ALT: GATNE INT/9.79 DME 2700, RUKIY INT/6.56 DME/RADAR 2500, JOGRI/I-DSZ 3.19 DME 1420*
- DIST TO THLD FROM OM: MM: IM: 100 HAT: 904 150 HAT: 1858 GS ANT: 1094
- MIN GS INCPT: 2500 GS ALT AT FAF : RUKIY INT/6.56 DME/RADAR 2500 OM: MM: IM:
- GP ANGLE: 3.00 34:1: 20:1: TCH: 57.3
- MSA FROM: MSN VORTAC 360-180 3100, 180-360 3600



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 18: CAT A, B, C, D RA 153, RVR 1400, HAT 150, DA 1014 MSL.
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 18: CAT A, B, C, D RA 103, RVR 1200, HAT 100, DA 964 MSL.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MSN VORTAC ON V228 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DLL VORTAC AIRWAY RADIALS 094 CW 140.
CHART PLANVIEW NOTE: PROCEDURE TURN NA FOR CAT E.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 18 CAT E VISIBILITY TO RVR 4000 AND S-LOC 18 CAT C/D/E VISIBILITY TO RVR 5500.
CHART PROFILE NOTE: USE I-DSZ DME WHEN ON THE LOCALIZER COURSE
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
SA CAT I/II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW ONLY: DLL 21.46 DME AT DECAL.
CHART CIRCLING ICON.
CHART IN PLANVIEW: DREAR/BAE 33.66 DME
CHART VDP AT 2.60 DME*
DISTANCE VDP TO THLD 1.01 NM
* LOC ONLY
CHART FAS OBST: 979 TREE 431058N/0892006W.
1210 AAO 431349N/0891923W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W DREAR/BAE 33.66 DME, LT, 090.43 INBOUND.
HOLD S, RT, 000.20 INBOUND

MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT D 900-2 3/4, CAT E 900-3, NA WHEN CONTROL TOWER CLOSED.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 18**	1064	2400	200	1064	2400	200	1064	2400	200	1064	2400	200	1064	2400	200
S-LOC 18	1240	2400	376	1240	2400	376	1240	3500	376	1240	3500	376	1240	3500	376
CIRCLING	1420	1	533	1460	1	573	1460	1 1/2	573	1700	2 3/4	813	1700	3	813

CHANGES - REASONS

1. CHANGED NAME OF PROCEDURE FROM "ILS OR LOC/DME RWY 18" TO "ILS OR LOC RWY 18" - IAW 8260.19H 8-6-2C.
2. ADDED "DME REQUIRED" TO PBN/EQUIPMENT REQUIREMENT NOTES - IAW 8260.19H 8-6-8(2).
3. ADDED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DLL VORTAC AIRWAY RADIALS 094 CW 140 - TURNS EXCEED 120 DEGREES.
4. ADDED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MSN VORTAC ON V228 NORTHWEST BOUND - DESCENT GRADIENT EXCEEDS MAXIMUM REQUIRED.
5. DELETED CHART NOTES: CAT I/II S-ILS R18 NA WHEN CONTROL TOWER CLOSED AND REPLACED WITH CHART NOTE: PROCEDURE NA WHEN TOWER IS CLOSED - NOTE CONSOLIDATION.
6. CHANGED CHART NOTE: FROM "FOR INOPERATIVE MALSR, INCREASE S-ILS 18 CAT E VISIBILITY TO RVR 4000 AND S-LOC 18 CATS C/D/E VISIBILITY TO RVR 5500" TO "FOR INOPERATIVE ALS, INCREASE S-ILS 18 CAT E VISIBILITY TO RVR 4000 AND S-LOC 18 CAT C/D/E VISIBILITY TO RVR 5500" - IAW 8260.19H 8-6-11 O(3)
- QUALITY
18
CHECKED

09/25/2019: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON: 07/12/2019:
1. CHANGED IN NOTES: "CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED" TO: "SA CAT I/II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED."

AIRPORT

DANE COUNTY RGNL-TRUAX FIELD

AIRPORT ID

KMSN

PROCEDURE NAME

ILS OR LOC RWY 18
ILS RWY 18 (SA CAT I),
ILS RWY 18 (SA CAT II)

ORIGINAL/AMENDMENT

2A

CITY

MADISON

STATE

WI

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU, MSN ATCT, AMGR, ANG/DOBA

FLIGHT CHECKED BY

JEFFREY W HARING

Digitally signed by

OFFICE

DATE

WARDELL HENNING

FICO

09/202019

Sep 26, 2019

Digitally signed by

OFFICE

DATE

DEVELOPED BY

WARDELL HENNING (PATRICK COMBS)

WARDELL HENNING

AJV-A432

07/12/2019

APPROVED BY

Digitally signed by

Sep 26, 2019

OFFICE

DATE

TITLE

LONNIE EVERHART

WARDELL HENNING

AJV-A430

MANAGER

Sep 26, 2019

